

```
Ask user to enter the 5-digit lottery numbers
 results = binarySearch(win_ticket, Size, buyer)
int binarySearch(const int arr[], int SIZE, int value)
 int first = 0, last = SIZE -1, middle, position = -1
                bool found = false
           while(!found && first <= last)
             middle = (first + last) / 2
             if(arr[middle] == value) {
                   found = true
                position = middle }
            else if(arr[middle > value){
                 last = middle -1}
                       else{
                first = middle + 1}
                  return position
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```